

## Lessard, Edward T

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**From:** Travis, Richard J  
**Sent:** Thursday, October 07, 2004 8:03 PM  
**To:** Picinich, Ronald; Wu, Kuo-Chen; Lessard, Edward T; Durnan, James T  
**Cc:** Kane, Steven F; Sandorfi, Andrew; Thorn, Craig; Muller, Thomas R; Curtiss, Joseph A; Travis, Richard J  
**Subject:** LESHC 04-11, LEGS Beth Magnet - Precooling Inspection

All,

At the request of the Magnet Division, a meeting was held in the highbay of Building 902 to inspect the LEGS Beth Magnet and to determine what prerequisites were necessary prior to a cooldown. (The Magnet Division has been asked by Physics to troubleshoot the excessive use of LHe by this magnet.) The attendees were: Ron Picinich and Jim Durnan for the Magnet Division, K.C. Wu, Ed Lessard, and Rich Travis for the LESHC Cryogenic Safety Subcommittee. (Members of the Physics Department were invited, but because of the short notice, couldn't attend.)

Prior to cooling the magnet, the Magnet Division agreed to:

1. Contact the vendor for any updates on this magnet.
2. Review the vendor instruction manual, in particular any cooldown checklist.
3. Provide the Cryogenic Subcommittee with a cooldown and testing procedure that has been reviewed and approved by the Magnet Division. This procedure should integrate vendor information (i.e., actions 1 and 2 above) and specify a final magnet configuration at the conclusion of this cooldown test period.
4. Provide a plumbing diagram of the proposed return line to the Cryo Subcommittee.
5. Label the cryogenic lines.
6. Test the relief valves. (Jim Durnan agreed to witness the testing.)
7. Contact the Laboratory Electrical Safety Officer (Joe Curtiss) for an electrical safety review of the magnet and associated equipment. (There was a particular concern that all components be electrically bonded together.)

With the exception of the return line (# 4 above) the attendees agreed that any modifications to the magnet, including repiping the relief valves, would require Cryogenic Safety Subcommittee review.

Craig,

I understand that you are the Physics Department Point of Contact for this magnet. Prior to energizing the magnet (regardless of where this is done), please contact the LESHC Secretary (Rich Travis) to arrange for a Cryogenic Safety Subcommittee review.

Thanks!  
Rich